

WEST Search History for Application 10547202

Creation Date: 2009101218:29

(membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME (inner or inside or cent\$5) SAME (outer or outside) SAME (driv\$7 or actuat\$7 or
activat\$7)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009
(membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME ((outer or
outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or
activat\$7)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009
(membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME ((outer or
outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or activat\$7)
SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$1))PGPB, USPT, USOC, EPAB, JPAB,
DWPI, TDBD OR YES 01-14-2009
(membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME (deform\$7 WITH (part\$1 or surface\$1 or
section\$1 or portion\$1 or member\$1 or element\$1 or component\$1 or bod\$3)) SAME (motion
or mov\$8) SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME
((outer or outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or
activat\$7) SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$1))PGPB, USPT, USOC, EPAB,
JPAB, DWPI, TDBD OR YES 01-14-2009
((membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME ((outer or
outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or activat\$7)
SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$1))) and (deform\$7 WITH (part\$1 or
surface\$1 or section\$1 or portion\$1 or member\$1 or element\$1 or component\$1 or
bod\$3))PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009
((membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME ((outer or
outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or activat\$7)
SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$1))) and (deform\$7 WITH (part\$1 or
surface\$1 or section\$1 or portion\$1 or member\$1 or element\$1 or component\$1 or bod\$3))
SAME (inner or inside or cent\$5 or interior or internal\$2) SAME (outer or outside or exterior
or external\$2)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009
(membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME ((outer or
outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or activat\$7)
SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$5) WITH surface\$1)PGPB, USPT, USOC,
EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009
(membrane\$1 or sheet\$3 or plat\$3 or film\$1) SAME deform\$7 SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME ((outer or
outside) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or actuat\$7 or activat\$7)
SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$5) WITH
surface\$1).CLM.PGPB OR YES 01-14-2009
((membrane\$1 or sheet\$3 or plat\$3 or film\$1) WITH deform\$7) SAME (motion or mov\$8)
SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or
actuat\$7 or activat\$7) SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$5 or
surface\$1))PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009
((membrane\$1 or sheet\$3 or plat\$3 or film\$1) WITH deform\$7) SAME (motion or mov\$8)

SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1)) SAME (driv\$7 or
actuat\$7 or activat\$7) SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$5 or surface\$1))
SAME (lens\$2 or mirror\$1 or reflect\$5)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7) WITH deform\$7) SAME
(motion or mov\$8) SAME ((inner or inside or cent\$5) WITH (portion\$1 or section\$1 or part\$1
or member\$1 or element\$1)) SAME ((outer or ouside or external\$2 or exterior) WITH
(portion\$1 or part\$1 or section\$1 or member\$1 or element\$1)) SAME (driv\$7 or actuat\$7 or
activat\$7 or motor\$1 or magnet\$6) SAME (curv\$6 WITH (section\$4 or portion\$1 or part\$5 or
surface\$1))PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7) WITH deform\$7) SAME
(motion or mov\$8) SAME (inner or cent\$5) SAME (outer or ouside or external\$2 or exterior\$2)
SAME (driv\$7 or actuat\$7 or activat\$7 or motor\$1 or magnet\$6) SAME (curv\$6 WITH
(section\$4 or portion\$1 or part\$5 or surface\$1))PGPB, USPT, USOC, EPAB, JPAB, DWPI,
TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7) WITH deform\$7) SAME
(motion or mov\$8) SAME (inner or cent\$5) SAME (outer or ouside or external\$2 or exterior\$2)
SAME (driv\$7 or actuat\$7 or activat\$7 or motor\$1 or magnet\$6) SAME (curv\$6 WITH
(section\$4 or portion\$1 or part\$5 or surface\$1)) SAME (peripher\$4 or annular\$2)PGPB,
USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7 or surface\$1) WITH
deform\$7) SAME (motion or mov\$8) SAME (inner or cent\$5) SAME (outer or ouside or
external\$2 or exterior\$2) SAME (driv\$7 or actuat\$7 or activat\$7 or motor\$1 or magnet\$6)
SAME (peripher\$4 or annular\$2 or circumferen\$6)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7 or surface\$1) WITH
deform\$7) SAME (motion or mov\$8) SAME (inner or cent\$5) SAME (outer or ouside or
external\$2 or exterior\$2) SAME (driv\$7 or actuat\$7 or activat\$7 or motor\$1 or magnet\$6)
SAME (peripher\$4 or annular\$2 or circumferen\$6) SAME ((curv\$6 or ben\$4) WITH (surface\$1
or part\$1 or section\$4 or portion\$1))PGPB, USPT, USOC, EPAB, JPAB, DWPI,
TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7 or surface\$1) WITH
deform\$7) SAME (motion or mov\$8) SAME (inner or cent\$5) SAME (outer or ouside or
external\$2 or exterior\$2) SAME (driv\$7 or actuat\$7 or activat\$7 or motor\$1 or magnet\$6)
SAME (peripher\$4 or annular\$2 or circumferen\$6) SAME ((curv\$6 or ben\$4) WITH (surface\$1
or part\$1 or section\$4 or portion\$1))) and ((membrane\$1 or sheet\$3 or plat\$3 or film\$1)
SAME deform\$7 SAME (motion or mov\$8) SAME (inner or inside or cent\$5) SAME (outer or
outside) SAME (driv\$7 or actuat\$7 or activat\$7))PGPB, USPT, USOC, EPAB, JPAB, DWPI,
TDBD OR YES 01-14-2009

((membrane\$1 or sheet\$3 or plat\$3 or film\$1 or mirror\$2 or reflect\$7 or surface\$1) WITH
deform\$7) SAME (motion or mov\$8) SAME (inner or cent\$5) SAME (outer or ouside or
external\$2 or exterior\$2) SAME (driv\$7 or actuat\$7 or activat\$7 or motor\$1 or magnet\$6)
SAME (peripher\$4 or annular\$2 or circumferen\$6) SAME ((curv\$6 or ben\$4) WITH (surface\$1
or part\$1 or section\$4 or portion\$1))) and ((membrane\$1 or sheet\$3 or plat\$3 or film\$1)
SAME deform\$7 SAME (motion or mov\$8) SAME ((inner or inside or cent\$5) WITH (portion\$1
or section\$1 or part\$1)) SAME ((outer or outside) WITH (portion\$1 or section\$1 or part\$1))
SAME (driv\$7 or actuat\$7 or activat\$7))PGPB, USPT, USOC, EPAB, JPAB, DWPI,
TDBD OR YES 01-14-2009

Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
(outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4)) SAME (actuat\$7 or motor or piezoelectric\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-12-2009
(outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4)) SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-12-2009
(outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4) WITH curv\$5) SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-12-2009
(outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4) WITH curv\$5) SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7).CLM.	PGPB	OR	YES		10-12-2009
(outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4)) SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7) SAME ((inner or inside) WITH (outer or outside))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-12-2009
((outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4)) SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7) SAME ((inner or inside) WITH (outer or outside))) and ((inner or inside) WITH deform\$7 WITH (portion\$1 or section\$4 or part\$1) WITH curv\$6)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-12-2009
((outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4))	PGPB, USPT,	OR	YES		10-12-2009

SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7) SAME ((inner or inside) WITH (outer or outside))) and ((bend\$3 or curv\$6) WITH deform\$7)	USOC, EPAB, JPAB, DWPI, TDBD				
(outer or outside) SAME ((inner or inside) WITH deform\$7 WITH (portion\$1 or part\$1 or section\$4)) SAME (actuat\$7 or motor or piezoelectric\$4) SAME ((inner or inside) WITH mov\$7) SAME ((inner or inside) WITH (outer or outside) WITH mov\$7)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-12-2009